| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|------------|------|--|---|---------------------|---------|------------------|
| S1 | 2 | ("20040085284").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/05/04 10:06 |
| 52 | 1 | 345/100.ccls. and esd and buffer and (shift adj register\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/05/04 09:45 |
| S3 | 4 | 345/100.ccls. and esd | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/05/04 09:47 |
| S4 | 800 | 345/100.ccls. and (shift adj register\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/05/04 09:48 |
| S5 | 406 | S4 and buffer\$1 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/05/04 09:48 |
| S6 | 207 | S5 and (inverter\$1 or ("not" adj gate\$1)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/05/04 09:54 |
| S7 | 14 | ("0472021" "5677023" "5735083" "5777591" "6157361" "640 4229" "6664943").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/05/04 09:54 |
| S8 | 13 | (("20030128180") or ("6483889") or ("6891916") or ("5410583") or ("6580411") or ("6724361")).PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/05/04 10:21 |
| S 9 | 2 | ("5400050" "6140159").PN. OR ("6724361").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/05/04 10:39 |
| S10 | 2 | ("5400050" "6140159").PN. OR ("6724361").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/05/04 10:41 |
| S11 | 591 | 345/98,100.ccls. and buffer and (shift adj register\$1) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/05/04 10:41 |
| S12 | 328 | S11 and (inverter\$1 or ("not" adj gate\$1)) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/05/04 10:42 |

| S13 | 37 | S12 and feedback | US-PGPUB; | OR | OFF | 2006/05/04 14:22 |
|-------------|------|--|---|---------|-----|------------------|
| | | | USPAT; USOCR | | | |
| S14 | 591 | 345/98,100.ccls. and buffer and (shift adj register\$1) | US-PGPUB; USPAT; USOCR | OR · | OFF | 2006/05/04 15:40 |
| S15 | 328 | S14 and (inverter\$1 or ("not" adj gate\$1)) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/05/04 15:41 |
| S 16 | 59 | S15 and cascad\$3 | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/05/04 15:41 |
| S17 | 37 | S15 and feedback | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/05/04 14:27 |
| S18 | 44 | S16 not S17 | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/05/04 14:27 |
| S19 | 8 | ("4748444" "5194853").PN. OR ("5432529").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/05/04 15:11 |
| S20 | 23 | ("4710648" "4789899" "5021774" "5063378").PN. OR ("5194853").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/05/04 15:24 |
| S21 | 387 | 345/98,100.ccls. and (delay) and (shift adj register\$1) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/05/04 15:40 |
| S22 | 239 | S21 and (inverter\$1 or ("not" adj gate\$1)) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/05/04 15:41 |
| S23 | 55 | S22 and cascad\$3 | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/05/04 15:41 |
| S24 | . 16 | S23 not S16 | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/05/04 15:57 |
| S25 | 2 | 345/98-100.ccls. and (cascades or inputs or feeds) near3 ((buffer or delay) near2 output) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/05/04 15:59 |
| S26 | 5 | 345/98-100.ccls. and (cascades or inputs or feeds) near3 ((buffer or delay or inverter) near2 output) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/05/04 16:02 |
| S27 | 3 | S26 not S25 | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/05/04 15:59 |
| S28 | 65 | "345"/\$.ccls. and (cascades or inputs or feeds) near3 ((buffer or delay or inverter) near2 output) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/05/04 16:03 |
| S29 | 23 | 377/64-81.ccls. and (cascades or inputs or feeds) near3 ((buffer or delay or inverter) near2 output) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/05/04 16:04 |
| S30 | 45 | 345/98-100.ccls. and (buffer or delay\$1) near3 ((supplies or outputs or output) near3 (shift adj register)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/05/04 16:47 |

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|-----|------|---|---|----|-----|------------------|
| S31 | 55 | 345/98-100.ccls. and (buffer\$1 or delay\$1) near3 ((supplies or outputs or output) near3 (shift adj register)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/05/04 16:47 |
| S32 | 2 | 345/98-100.ccls. and (carry adj buffer\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/05/05 09:01 |
| S33 | 2 | 377/64-81.ccls. and (carry adj buffer\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/05/05 09:02 |
| S34 | 3 | "345"/\$.ccls. and (carry adj buffer\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/05/05 09:03 |
| S35 | 19 | (shift adj register\$1) and (carry adj buffer\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/05/05 09:14 |
| S37 | 1889 | (377/64-100.ccls. or 345/98-100.ccls.) and (shift adj register\$1) and (buffer\$1 or delay\$1 or inverter\$1 or ("not" adj (gate\$1 or logic))) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/05/05 09:16 |
| S38 | 386 | S37 and cascad\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/05/05 09:16 |
| S39 | 113 | S38 and amplif\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/05/05 09:43 |
| S40 | 109 | 345/98-100.ccls. and (buffer or delay) near5 (cascad\$3 or output or input or suppl\$3) near2 ((shift adj register) or stage) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/05/05 09:45 |
| S41 | 96 | S40 not S39 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/05/05 09:47 |
| S42 | 65 | "345"/\$.ccls. and (cascades or inputs or feeds) near3 ((buffer or delay or inverter) near2 output) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/05/05 09:47 |

| S43 | 96 | S41 not S42 | US-PGPUB; | OR | OFF | 2006/05/05 09:48 |
|-------------|-----|---|---|------|------|------------------|
| 573 | 30 | 312 100 372 | USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OK . | O/ F | 2000/03/03 05.40 |
| S44 | 1 | (unidirectional adj conducting adj device\$1) and 345/98-100. ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/05/05 11:00 |
| S45 | 973 | (unidirectional adj conducting adj device\$1) . | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/05/05 11:00 |
| S46 | 7 | (unidirectional adj conducting adj device\$1) and "345"/\$.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/05/05 11:00 |
| S47 | 5 | 345/98-100.ccls. and (inverter) same (short\$1 and load\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/05/05 11:34 |
| S48 | 1 | 345/98-100.ccls. and ((gate or scan\$4) near3 (short\$2)) same inverter | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/05/05 11:35 |
| S49 | 16 | "345"/\$.ccls. and ((gate or scan\$4) near3 (short\$2)) same inverter | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/05/05 11:38 |
| S50 | 4 | "345"/98-100.ccls. and ((gate or scan\$4) near3 (shorted)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/05/05 11:39 |
| S 51 | 35 | "345"/\$.ccls. and ((gate or scan\$4) near3 (shorted)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/05/05 11:40 |
| S52 | 31 | S51 not S50 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/05/05 11:40 |